

# THE TECH

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## THE TECH

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Business Manager,

Monday, 11-12.30 P.M.  
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*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

*All communications with the Alumni Department should be addressed to the Alumni Editor.*

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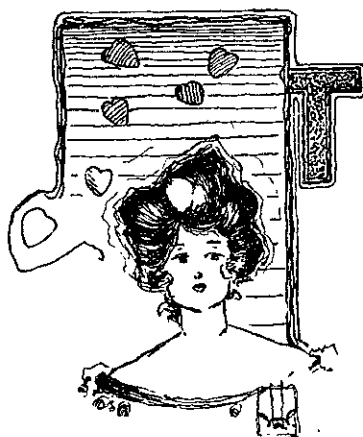


FOR some time past negotiations have been pending for a triangular athletic meet between Brown, Dartmouth and Tech. If representatives from the respective athletic associations can decide on some co-operative arrangement which shall be satisfactory to all concerned, the meet will probably be held. For many reasons Boston seems to be the place best suited for such an event. The date, of necessity, would have to be within two or three weeks

of that of the Inter-collegiate meet at Worcester.

There is no doubt but that such a meet would greatly benefit the athletics of the three colleges. Besides offering a chance to thoroughly try out the men on the teams, the triangular meet would give the Boston and neighboring alumni of the three colleges an opportunity to see what the teams were doing.

We sincerely believe in a meet of this nature, and hope that no trivial matters will arrive which will cause the abandonment of the proposed plan.



THE opinion has been recently stated by some of the younger graduates that the time which they spent on modern languages at the Institute was almost entirely wasted, as they had forgotten nearly all of their French and German before graduation, and that if they had had any use for these languages, they would have been obliged to recommence the study of them at the very beginning. It is extremely unfortunate that these men have such a feeling, as persons not connected with the Institute might reasonably suppose that there are no opportunities here for continued study of modern languages after the required work in them has been accomplished.

Of course such a supposition would be far from true, for to any student who wishes to keep up his French and German there are excellent facilities for so doing. The department of modern languages offers three extremely valuable courses, open to all properly qualified students, in advanced French (French III.), French Literature and Advanced German (German III.); but these require considerable preparation, and on that account can be taken only by students having plenty of spare time. Two courses, however, those in French sight-reading and German sight-reading, require absolutely no outside study, and take in recitations only three hours per week and two hours per week respectively. The amount of reading done is considerable, and is of a very interesting nature. For instance, the class in German sight-reading is at present reading a collection of articles, covering a wide range of subjects, taken from German magazines of recent date.

The existence of these two courses makes it possible for any student to keep up his modern languages with very slight exertion, makes it the fault of any student if, in the latter years of his work here, he allows himself to forget his French and German, and consequently makes it entirely unfair to the Institute to speak as if the arrangements for teaching the languages were anything but the best in this respect. The Institute cannot require any additional study of languages, but for those who wish, it provides excellent opportunity for such study.



**A**CALL has been issued for candidates for the varsity relay team. If a man has ever done anything in this line of work he should by all means go out and try for the team. In order that the candidates shall have the right

kind of training, the Athletic Association is to provide a rubber and a competent trainer.

Tech is to run Bowdoin again at the coming B. A. A. games, which are to be held during the first week in February at the Mechanics Building. Bowdoin has now beaten us twice, and it is high time the tables were turned. Let us help turn the tables by doing all in our power to aid the team.

**Announcement.** At the present time when the newspapers are overflowing with sensational reports and excited discussions of Student "Komers," it seems fitting that some notice of the controversy should be taken by the college paper, and hence we wish to open our columns to the student body, and to others who are interested, for discussion of the so-called beer question. We shall be very glad to print any such communications, and they may be left at "The Cage," addressed to THE TECH.

#### Cadet Hop.

To the outsider the Cadet Hop held Friday, Dec. 20, at Revere Hall, may have appeared a brilliant social event, but as a Tech function it was not much of a success. The Tech men, who numbered about fifty, were completely overshadowed by the number of High School officers in their dazzling uniforms. However, the two hundred odd couples who were present enjoyed a very pleasant evening, and ignoring the fact that as a financial venture it came out a little short, the promoters should be congratulated for their spirit in attempting the affair.

#### Calendar.

*Monday, Jan. 6.*—The 560th regular meeting of the Society of Arts will be held in Room 22, Walker Building, at 8 P.M. Regular meeting of the "Tech" Board in the "Tech" office at 1 P.M.

*Tuesday, Jan. 7.*—Regular Y. M. C. A. meeting at 4.10 P.M. in Room 11, Rogers Building.



NOTE.—This department makes no pretence to scientific research, but seeks to note facts appearing from week to week which are of scientific interest. Contributions are solicited.

Symphony Hall, Boston, is ventilated by introducing air at the top of the hall, diffusing it at low velocities and exhausting it at the floor level. The heating is by means of direct radiation, using the steam from the lighting plant.

The new bridge connecting Blackwell's Island with the New York shore is to be a cantilever structure. The total length is to be 8,231 feet, and there will be two channel spans of 1,002 feet each.

An interesting discovery of a new chemical for the manufacture of ice is credited to Professor Rolin C. Woster of Newark, N. J. This chemical is a kind of ammonia salt, and can be used and re-used for an indefinite number of times. One supply of salt will make ice cream, and ice enough for the refrigerator for all summer.

It is said that, before the end of the year, sleeping-cars will be put in operation on the trolley lines of various electric railroads in the West. And it is promised that through trains, with sleepers, will run between Cleveland and Detroit before Christmas.

In the old Norman city of Rouen the electric street-car wires are to be put to a new use. The Fire Brigade propose that pumps be provided driven by dynamos, to take the current by means of a trolley hooked to the wire at the nearest point to the fire.

Ten years ago we had about seven hundred miles of electric railway; to-day a little more than twice as many miles are in operation in the United States alone. Millions of dollars

are invested in the stock, and many thousand men employed.

The Rajah of Matlan has in his possession a 367-carat diamond. The Kohinor, now one of the crown jewels of England as cut, weighs 106 carats.

### Smoke-Talk Electrical Engineering Society.

Monday evening the Electrical Engineering Society held an informal smoke-talk at the new Technology Club House. Owing to the short notice which was given to the members only about twenty-five were present, moreover, some of the men were unable to come on account of a boiler test.

Professor Dolbear gave an interesting talk, telling of some of the earlier men who were interested in the advancement of electrical science, and Professor Cross related some amusing anecdotes.

Refreshments were served, and the meeting broke up at about half-past eleven, the men going in a body to the boiler-house to condole with those members who were keeping awake over their boiler test.

I wish I was an oyster;  
I'd grow a mighty pearl,  
And then when I got married,  
I'd give it to the girl.—*Ex.*

### The Society of Arts.

The 560th regular meeting of the Society will be held at the Institute, Room 22, Walker Building, corner Boylston and Clarendon Streets, on Monday, Jan. 6, 1902, at 8 P.M.

Prof. George E. Hale, director of the Yerkes Observatory, will address the Society on "The New Star in Perseus." Illustrated by stereopticon.

Members are requested to invite friends interested in the subject. Ladies are cordially invited.



All communications with this department should be addressed to the Alumni Editor.

'70. C. W. Dinman, III., is treasurer of the Stanley Gas Machine Company of Charlestown.

'73. George W. Blodgett, I., is an electrical engineer and consulting electrician of the Boston & Albany Railroad.

'75. F. S. Dodge, I., is superintendent and land agent of the estate of Bernice Panahi Bishop, at Honolulu.

'80. Edwin E. Chase, I., is a mining engineer at Denver, Col.

'82. Howard V. Frost, V., is chemist of the Anglo-American Provision Company, in Chicago.

'83. W. B. Fuller, I., is a hydraulic and sanitary engineer in New York City.

'85. E. D. Dewson, II., is engineer of the Traction Department of the Westinghouse Air Brake Company.

'85. Hugh MacRae, III., is president of the Wilmington Cotton Mills and the Wilmington Gas Light Company, in North Carolina.

'87. Dwight Brainerd, IX., is treasurer of the Damillon Powder Company of Montreal, Que.

'87. J. A. Cameron, II., is president of the Abbot Worsted Company, in Forge Village, Mass.

'87. George W. Patterson, VI., is a junior professor of electrical engineering in the University of Michigan.

'87. Granger Whitney, III., is superintendent of the Iron Department of the La Follette Coal, Iron and Railroad Company of Tennessee.

### The Hockey Team.

The hockey team is one that the Institute should be able to support, and Dr. Pritchett has shown his interest in the matter by having a rink constructed at the rear of the shops. During vacation, on account of the bad weather the rink could not be used, but practice was held on two days at Jamaica Pond. At present, as about thirty-five men have signified their intention of trying for the team, and the prospects seem fairly good. Last year the team did very well, considering the conditions, and won about half of their games. This year, with a rink on which to practice, situated so near the Institute, there is no reason why a team should not be developed that will compare favorably with those from other colleges.

### The Alumni Dinner.

On Friday, Dec. 27, 1901, the annual dinner of the Alumni Association was held at Hotel Brunswick. Before the dinner a business meeting was held in the parlors of the hotel. Mr. A. L. Rotch, '84, was elected president, and Prof. A. S. Robbins, '86, was elected secretary. The Constitution was amended so as to change the form of the executive committee; and the reports of the various committees and of the secretary were received. It was decided to allow members of local associations to become members of the parent Alumni Association without the payment of further dues, and the matter was placed in the hands of the Association of Graduate Class Secretaries.

The dinner was held at seven o'clock, with one hundred and forty-seven members present. Dr. Pritchett was unable to attend as he was not in Boston at the time, but acceptable speeches were made by the Hon. Charles S. Hamlin, Hon. Herbert Parker and Mr. James P. Munroe, the president of the Technology Club.



Of course THE LOUNGER rather objected to a *Theatergoer*. Objection is what a lounge is for. Besides, he was frightened by that editorial phrase, "thoughtful criticism." "Is *Tech* a school of dramatic art?" he protested. "And who is going to read 'thoughtful criticism'? 'Wells' Algebra' is 'thoughtful.'" To his first question I gave in, and admitted that this *is* an Institute of Loungers; to his second I explained that the adjective was merely a case of editorial license, such as magnifies the modest "I" into the magnificent "we." But I stood my ground for *criticism*. Play writing and play acting, as every subject of King Shakespeare knows, are arts worthy of criticism. We *Tech* men haven't time for three-decker novels, but we make time for three-hour plays, and we want to talk them over. THE LOUNGER sniffed a little, but yielded gracefully enough, and we made it all up that evening, elbow to elbow, among the standers at the Colonial.

"David Harum" is most timely for the winter holidays and good-will to men. Of the American rural plays—and we are getting a complete summer vacation of such—it is perhaps the best, if you can call it a *play* at all, for it isn't much nearer drama than the book was to a novel. There is no absorbing interest in the plot; pretty Mary Blake's love affair is certain enough from the start, and we know so well the outcome of Widow Cullum's troubles that her suspense seems prolonged almost to cruelty. But as a character sketch "David Harum" is sympathetic and inimitable.

Most of the parts are farcical, droll caricatures of real people, *Puck* and *Judge* typical countrymen come to life. Of these, Dick Larabee is acted with most discrimination, and Chet Timson is the most amusing. But David Harum is dramatic portraiture—the real man in his habit as he lived. We hang on his every word while he is upon the stage, and need pretty broad farce to divert our impatience when he is away. The contagious bubbling laugh, and the quick, quiet voice, with its imperturbable, deep-drawn "Yee-e-up," presents the character of

the book as truly as does the perfect facial make-up. Mr. Crane's face is really the whole of the play. The other persons are drawn with obvious extravagant strokes, but you must keep your glasses every moment on David to get all the finer touches of the impersonation. From hours of laughter, even to tears, the abiding impression is of that quizzical, red, puckered face, and its quick changes from mirth to soberness, all wreathed in smoke of the "best see-gar Pierce keeps, the Pride of Havana."

We are going to Arden next week, each and all. The only absolute rule the *Theatergoer* observes is: Never miss any performance of Shakespeare; and Miss Crosman's "As You Like It" promises to be as good as any given of late years in Boston. She is ideally fitted for her part, both in face and in form, is a good reader and a thoughtful actress, and has the spontaneous charm that makes Rosalind dear to us.

#### Tech's Advertisement Column.

LOST—On the steps of Rogers Building, a pair of red worsted mittens and a real pipe. Leave at "Cage" for Algernon Freshman.

FOUND—In the Rogers Building, a pretty co-ed. Owner may obtain the same by applying at the "Cage."

WANTED—A colorless red necktie. Apply to Professor P-pe, Walker Building.

LOST—In the Secretary's office, a Freshman.

FOUND—After long search, a funny joke in *Technique '02*.

LOST—On Wednesday last a copy of F - - nce's "Descriptive Geometry;" finder may keep the same and receive reward.

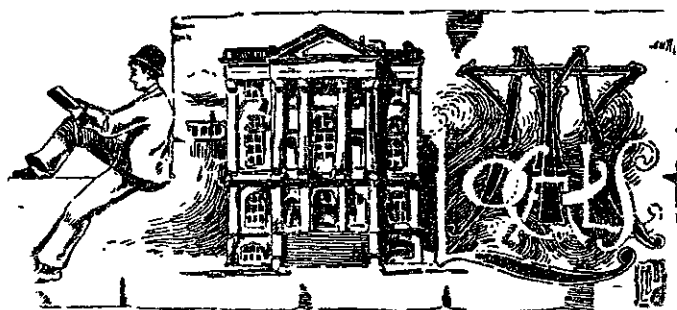
WANTED—By an unfortunate Sophomore, troubled with insomnia during lectures, a sleeping powder for use in the physics lecture room.

LOST—STRAYED—OR STOLEN—On New Year's evening, fourteen hours' sleep, The Class of '02.

WANTED—By Professor L - nz - some really funny jokes for his next issue of "Applied Mechanics."

PROFESSOR—"Christianity was introduced into Ireland about the thirteenth century."

CO-ED—"A.D. or B.C.?"—*Ex.*



Either in the next issue of *THE TECH* or the issue following, the provisional mid-year examination schedule will be printed in full.

Owing to the fact that our printers took account of stock on Wednesday, which necessitated the shutting down of the shop, *THE TECH* could not be issued as usual on Thursday.

Mr. George W. Knight, one of our instructors in chemistry, has left for Cienfuegos, Cuba, where he will hold the position of chief chemist on a large Cuban sugar plantation. Mr. Knight graduated in the class of 1900, and he intends to return to Boston after six months.

The "*Technique*" board offers a prize of \$25 for the best cover design drawn by any one connected with the Institute. Designs should be left at the "Cage" before Feb. 12.

On account of ill health Mr. Pope, '02, Course IV, has been obliged to leave college. His absence will be a distinct loss to athletics at the Institute.

Mr. Pope has resigned his position as captain of the Track Team; the election of his successor was held last Tuesday. Mr. Baker, '02, was elected.

A meeting of the Freshman Debating Society will be held Friday, Jan. 3, in Room 11, Rogers Building, at 3 P.M. All who are interested should make every effort to come.

On Thursday evening, Jan. 9, Professor

Richards will speak to the Mining Engineering Society on the subject of "Mining Methods in Mexico." The meeting will be held at the new Technology Clubhouse, and light refreshments will be served. Tickets are 35 cents.

SUNDAY-SCHOOL TEACHER—"Willie, were you ever baptized?"

WILLIE—"Sure. Tree times."

SUNDAY-SCHOOL TEACHER—"Three times! Willie!"

WILLIE—"Sure. I kin show you de scars on me arm."—*Widow.*

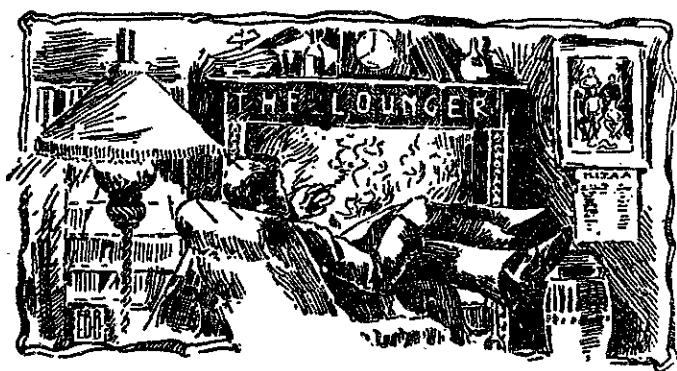
#### Northwestern Association of the Massachusetts Institute of Technology.

The annual banquet of the Northwestern Association of the Massachusetts Institute of Technology will be held about the 1st of March. Arrangements now being made promise well for a very attractive programme, and with the largely increased number of Tech men in the west, the attendance will probably break the records. It is hoped that Dr. Pritchett will be here then, as he is to make a trip to Cincinnati about that time.

On Monday, Dec. 16, a meeting of the Association was held at "The Union," 111 Randolph Street, Chicago. Judge Frank Baker indulged in reminiscences of his experience on the bench, and he has a rare fund of interesting stories from real life. Mr. P. W. Leffler, whose electro-magnetic railway is attracting so much attention, was present, and explained his invention. Mr. John McCutcheon was persuaded to relate some of his experiences in the Philippines, and his talk was very interesting indeed.

"I wonder why they call the hired boy 'Buttons,'" said the traveler.

"Probably," replied the bachelor, "it's because he's off when you need him most."  
— *Tit Bits.*



THE LOUNGER again takes up his pen, lights his briar, tips his chair back, clears his throat, and prepares to let fall some words of wisdom, which will be quickly done into ink by his stenographer, for the benefit of THE TECH and the edification of its readers. Suddenly the face of THE LOUNGER becomes pale, he gasps, springs from his chair, rushes with a half-crazed look to where his books lie, and selecting one, begins to study with an energy that had hitherto been foreign to his nature,—he suddenly remembered that a certain professor had sent him notice of an exam. as a Christmas present. His stenographer looked over his shoulder and then put down for his words of wisdom, “Be sure and spend Christmas and the following days in preparing for Professor F-unc- exam., to be held first thing after the holidays.”



THE LOUNGER is, strange though it may seem, a mortal, and as such he is more or less susceptible to the emotions that encourage common beings toward daffyism. Inspirations THE LOUNGER has had at times, but those were due to but one cause,—that of frequenting the Chapel. He visits the Chapel to drown his sorrows regularly twice a year (semi-finals and finals). For other reasons too numerous to mention he finds himself compelled to visit this famous resort off and on,—mostly on. But up to last night the real genuine-one-in-a-box inspiration had never enthused into him that sublime feeling which poesy renders to the soul. He cannot really account for the spasm. Whether it was encouraged by sleeping through Arlo's second-year literary lecture, on which he had dropped in during an evil moment, or whether it was due to his more than usual spirit in which he went through the soul-entrancing rhythm of the Tech yell before rolling into bed and taking off his shoes, he is unable to decide. By the way, would advise all my disciples to take up the latter practice. I do not mean removing one's foot coverings after retiring, but of heartily rendering the Tech yell every night. Before using this remedy THE LOUNGER was wholly deprived of good marks, was troubled with wakefulness during lectures, and was generally deficient in all the comforts that make the happy man.

After using, a vast improvement was noticed, and he now uses it regularly, and has no difficulty about sleeping in lectures. But to return: THE LOUNGER was thinking of the great excitement that was let out whenever a *Technique* or a catalogue made its appearance, and of the immortal honor that the instigators put in their pocketbooks. THE LOUNGER was surely jealous. Why could not he make himself worthy of a place among the immortals? An inspiration! He would concoct a poem, and follow on to Arlo. He would chase the band-wagon, and issue it on the day the *Technique* came out. Visions of Arlo slapping him on his vaccination and saying, “Well done, you have shown yourself worthy to take attendance at my lectures next year!” Such good fortune was too much for him. He was delirious. He grappled with his inspiration, and tied it down while he ran for some paper and a two H. He immediately began to write the title, “The Techish Co-ed,” a tragedy. Another scintillating thought: his title reminded him of “The Faerie Queene.” He would follow Spenser's idea by writing his masterpiece in four cantos, each to contain a virtue of the Techish Co-ed. as a Freshman, Sophomore, Junior and Senior. THE LOUNGER wrote as one possessed, wearing away four two H's, writing at one end and eating at the other. Finally, as early dawn the milk-carts lighted on their way, lo! it was all completed. He read it over again, went to the mirror to see if he had changed. Yea, indeed, Arlo II. With well-deserved pride THE LOUNGER recited, as he felt of his head to see what size wreath he would have to have, line 2763 of the first canto, telling of plate 9 and the damsel,—

And as she for the sixteenth time down on her board did spread it,  
She murmured with that gentle grace: “Oh, darn! how I do dread it!”

THE LOUNGER gave three hearty cheers for himself, and again betook himself to slumber.



The days have come and passed unnumbered since THE LOUNGER first placed his foot within the precincts of Rogers Corridor, or scaled the dark and labyrinthian stairs of the internal gloom of Walker. Yet never had he seen an effect like that which in a dream, in the recent vacation, presented itself to him. For perhaps that vacation was too much relaxation and excitation for one who, with his imagination already stifled with thoughts of radii of gyration, thermal equivalents, wave-lengths and parabolic-hyperbolas, to say nothing of logarithmic anti-differentials, was turned loose upon an unresisting and cheerful world. At any rate, THE LOUNGER found himself, after the end of the second day, imagining all sorts of strange and pleasant things about the Institute—such as, for instance, the possibility of his passing

eight or nine of the seventeen exams. which he will attack in the coming semi-annual campaign. Chief among these was his vision of what the Walker Building would look like on a moonlight night. He somehow fancied broad walks and entrances, turreted spires and colored lights, strange and attractive architectural forms, fountains in the foreground,—in fact, a second Piazza de San Marco,—or, in American, an “all right thing.” For a while he forgot this trivial dream, but, on returning, he found a deep disappointment awaiting him. The artistic contingent of this light-and-information-giving periodical had already anticipated his vision—but with what difference. THE LOUNGER imagines the reader can see on comparing his dream and the picture on this page. At first THE LOUNGER objected that the picture was not in any way a representation of the Walker Building,—it was a freight elevator, a hat factory, a coal wharf,—an anything. But failing to convince on this point, he next attacked the technique of the production; but naturally, as the reader will appreciate, he really had no ground for argument. But interpretation of the theme troubled him, and he decided to look upon Walker by moon-

light, and see for himself. For his benefit the curator and undertaker who guards the door of the second year physics lecture room, kindly consented to light every window in Walker. THE LOUNGER went out and looked. Surprise changed into humiliation, and humiliation into religious devotion, which latter impelled him to destroy some of his disappointment at the Chapel. The artistic contingent were right in their treatment of the subject. For the history of the building this brief synopsis will do. In 303 A.D. while Julius Cæsar was ravaging the coasts of Rhode Island, he came one day upon a pile of stones, which for one reason or another he caused to be made into a fortress. It was rude and not architecturally beautiful in its lines, and yet it was destined to be reproduced in an immortal monument. For fifteen hundred years that pile of stones was subjected to the elements. In 1884 the architectural department of the Institute, happening upon it, saw in it the scheme for a magnificent temple of learning, and in the following year was executed from the suggestion the Walker Building, which still challenges eternity and Despradelle.



*Walker Building by Moonlight.*

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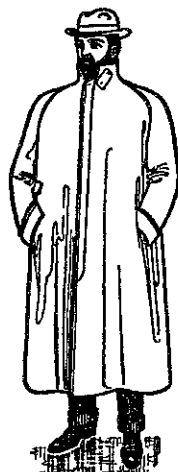
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Week Commencing January 6, 1902.

**Hollis Street Theatre.**—Faversham, in "A Royal Rival," closes his engagement this week. Next attraction at this house is the New York success, "The Liberty Belles," which is said to be not only a novel, but an entertaining, comedy. Engagement limited to two weeks.

**Colonial Theatre.**—"David Harum," as depicted by William H. Crane, is said to be the best piece of work this comedian has shown in public. His portrayal of this shrewd, cunning, and thoroughly human hero is really remarkable. Engagement limited.

**Tremont Theatre.**—"More Than Queen" is the attraction offered this week, with William Humphrey in his original rôle of Napoleon. Next week Henrietta Crosman will present "As You Like It." The play will be staged with the beautiful scenery and costumes prepared for its revival by Julia Arthur. Engagement for two weeks.

**Boston Museum.**—Louis Mann and Clara Lipman have achieved great successes in their new play, "Red Kloof." It is not, as the majority of people think, a war story, but a story pure and simple of the Boer life. Engagement closes this week.

**Columbia Theatre.**—That merry musical success, "The Chaperons," which is the reopening attraction of this house, has scored a triumph, which was not unexpected. It is an excellent travesty on society's polite custom, and with its many novel character types, its tuneful melodies and brilliant ensembles, forms a most enjoyable offering. Last week of engagement.


**Castle Square Theatre.**—"The Sporting Duchess" has proven to be a very popular play, and has been held over another week. The next attraction will be "The Two Orphans," by the regular company.

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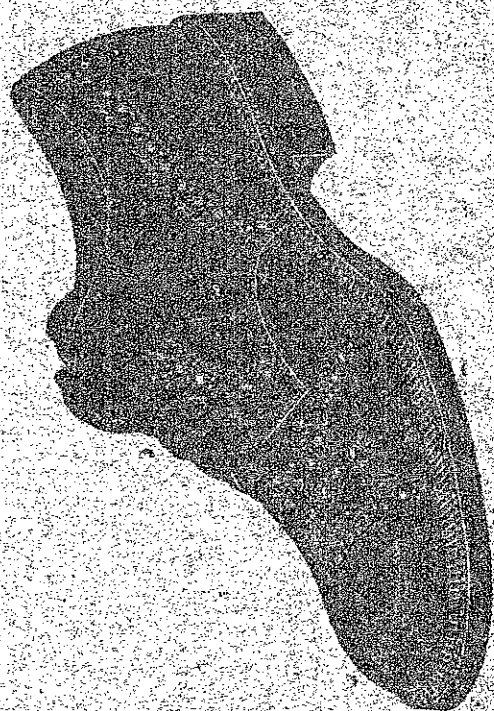
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